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RAB MEETING MINUTES
RESTORATION ADVISORY BOARD
PLUM BROOK ORDNANCE WORKS
June 15, 2010

ATTENDEES

Rick Meadows, USACE Co-Chairperson
Lisa Humphreys, USACE Huntington
Lannae Long, USACE Nashville
John Blakeman, RAB Member
Richard Pitsinger, RAB Member
Mike Parker, RAB Member
David Speer, RAB Member
Lee Yeckley, RAB Member
Gil Steinen, RAB Member

Bob Lallier, NASA
Paul Jayko, OEPA NWDO
Archie Lunsey, OEPA NWDO
Steve Downey, Shaw Environmental
Mike Gunderson, Shaw Environmental
Eric Weaver, Shaw Environmental
Sharon Barnes, Barnes Nursery
Helen Owens, TMG Services, Inc.

Agenda

The agenda for the meeting included the following topics:

- TNT Area C Update
- Acid Areas Update
- Reservoir No. 2 Burn Grounds Update
- Current Work Status
- Potential Future Work
- History of the Former Plum Brook Ordnance Works
- Schedule next meeting

Update on TNT Area C Remediation

Lisa Humphreys, USACE Huntington District provided an update on the TNT Area C Remediation Project.

- The contract was awarded in December 2009.
- Plans have been received by USACE.
- Reviews are complete.
- Contractor is preparing responses to comments.
- Planning to be in the field mid-July.

Update on Acid Areas and Flora & Fauna Walkthrough

Lannae Long, USACE Nashville District provided the following update.

- Draft Risk Assessment is being developed; expect final report in August 2010.
- Flora and Fauna walkthrough in TNT A triangle is planned for September.

Current Work Status

Steve Downey, Shaw E&I, Inc. provided an update on the current field work at PBOW and outlined potential future work. Mr. Downey's presentations are included as attachments to these minutes.

Rick Meadows, PBOW Project Manager, USACE Huntington District advised the group that additional funding for a possible 4th quarter award may be available in July. If so, all project identified to date at PBOW will be active.

Presentation of the History of Plum Brook Ordnance Works

John Blakeman, PBOW RAB Member presented a documentary slide show he developed based on his research of the former ordnance works. The presentation highlighted information such as how PBOW came to be located in Erie County, the production of explosives, and the role of PBOW in World War II. Mr. Blakeman developed the presentation because of his interest in preserving local history and welcomes the opportunity to share his presentation with the public. Mr. Blakeman may be reached via email at jablakeman@aol.com or telephone at (419) 433-5639.

Meeting Schedule

The next RAB Meeting is scheduled for Thursday, September 9, 2010. The agenda will include a site visit to the active USACE project areas, including TNT Area C.

Current Work Status

Steve Downey, PE, PMP
Shaw E&I, Inc.,
Knoxville, Tennessee
15 June 2010



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Site Locations



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Investigation Field-work

- Waste Water Treatment Plant 1 – complete
- Waste Water Treatment Plant 3 – complete
- Ash Pit 1 – complete
- Ash Pit 2 – complete
- Ash Pit 3 – complete
- Garage Maint. Area (Locomotive Bldg. Area) – complete
- Pentolite Road Red Water Pond – sampling for clay tiles ongoing
- Reservoir #2 Burning Grounds – additional delineation sampling being scoped



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Site Characterization Reports

- Powerhouse 2 Ash Pits – Final 30 June 2010
- Garage Maint. Area (LBA) – Comments on draft due 22 July 2010
- Ash Pits 1 & 3 – Draft 18 June 2010
- WWTP 1 & 3 – Draft 10 November 2010
- TNTA and TNTB Sewer Lines – Draft 10 November 2010



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Risk Assessment Reports

- BHHRA and SLERA Work Plans complete
- Powerhouse 2 Ash Pits BHHRA and SLERA draft report – 16 June 2010
- Garage Maintenance Area BHHRA and SLERA draft report – 14 September 2010
- Ash Pits 1 & 3 BHHRA and SLERA draft report – 27 December 2010
- WWTP 1 & 3 BHHRA and SLERA draft report – 1 April 2011
- TNTA & TNTB Sewer Lines draft BHHRA and SLERA – 6 July 2011



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Other Reports

- Site-Wide Groundwater (TNT and RWP Areas) draft FS Addendum – 6 August 2010
- TNTA Draft Decision Document – 18 June 2010
- PRRWP Delineation Report – Following completion of delineation of clay drain tiles
- Reservoir #2 Burning Grounds FS – Following completion of additional delineation sampling



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Potential Future Work

Steve Downey, PE, PMP
 Shaw E&I, Inc.,
 Knoxville, Tennessee
 15 June 2010



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Site Locations



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Site	Currently Scoped	Future Scope
WWTP1	WWTP1 site investigation (incl. 2 rounds of soil sampling) - TN1A to WWTP1 sewer line site investigation - TN1B to WWTP1 sewer line site investigation - Characterization Report - BR-IRA - SL-IRA	- Future investigation of TN1A, WWTP1, and sewer lines - FS for WWTP1 (including sewer lines) - PP - CC
WWTP2		WWTP2 site investigation - TN1C to WWTP2 sewer line site investigation - Characterization Report - BR-IRA - SL-IRA - FS - PP - T.D. - Meetings
Water tunnel between WWTPs 1, 2 & 3	geotechnical investigation	1. Test pits to determine presence, depth and condition of pipe 2. Water tunnel site investigation - Characterization Report - BR-IRA - SL-IRA - FS (T) - PP - CC
WWTP3	WWTP3 site investigation (incl. 2 rounds of soil sampling) - Characterization Report - BR-IRA - SL-IRA	FS PP CC
ERT	ERT site investigation (incl. 2 rounds of soil sampling) - Characterization Report - BR-IRA - SL-IRA	FS (assuming no FS required) CC

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Site	Currently Scoped	Future Scope
AP3	AP3 site investigation (incl. 2 rounds of soil sampling) - Characterization Report - BR-IRA - SL-IRA	FS (assuming no FS required) CC
AP5	AP5 site investigation (incl. 2 rounds of soil sampling) - Characterization Report - BR-IRA - SL-IRA	FS (assuming no FS required) CC
Coastline Bldg Area	CBR site investigation (incl. 2 rounds of soil sampling) - Characterization Report - BR-IRA - SL-IRA	FS PP CC
Intersect #1 Building Structure	FS PP CC	- Compression Sampling
HDR	FS Assessment PP CC	
H2C	FS Assessment PP CC	
Water tunnel	FS Assessment	PP CC Meetings
WWP Area	PP/CC Assessment PP/CC FS Assessment WWP Area FS WWP Area CC	- Potential additional investigation of sewer lines south of WWTP3
WWP Area 1	FS (including) - Characterization Report (including) - BR-IRA (including) - SL-IRA (including)	FS PP CC

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Possible 3rd Quarter FY10 Awards

- Waste Water Treatment Plant 1
 - TNTA to WWTP1 Sewer Line
 - Additional sampling for delineation of area requiring remediation
 - Approximately 350 soil screening samples
 - Approximately 200 soil confirmation samples
- Reservoir #2 Burning Grounds
 - Potential Data Gap associated with dioxins and furans west of burn pit
 - Approximately 30 additional soil samples



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Possible 3rd Quarter FY10 Awards

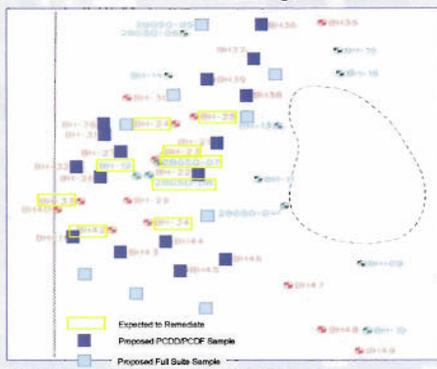
- Site-wide Groundwater (TNT and RWP Areas)
 - Proposed Plan
 - Decision Document
- Pentolite Road Red Water Pond Area
 - Clay Drain Tiles discovered during delineation sampling
 - Additional sampling being performed this week
 - Further delineation scoped for possible 3rd quarter award



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Reservoir #2 Burning Grounds



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Possible 4th Quarter FY10 or FY11 Award

- Waste Water Treatment Plant 2 (incl. TNTC to WWTP2 sewer line)
 - WWTP2 Site Investigation
 - TNTC to WWTP2 sewer line site investigation
 - Site Characterization Report
 - Baseline Human Health Risk Assessment
 - Screening Level Ecological Risk Assessment
 - Feasibility Study
 - Proposed Plan
 - Decision Document



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